



Winston H. Hickox
Agency Secretary

Air Resources Board

Alan C. Lloyd, Ph.D.
Chairman

1001 I Street • P.O. Box 2815 • Sacramento, California 95812 • www.arb.ca.gov



Gray Davis
Governor

November 3, 2000

TO: ALL INTERESTED PARTIES

SUBJECT: Interim Procedure for Verification of Emission Reductions for
Alternative Diesel Fuels

The Air Resources Board (ARB) staff has developed an interim procedure to verify emission reductions of oxides of nitrogen (NO_x) and particulate matter (PM) from alternative diesel fuels (enclosed). Alternative diesel fuels are fuels used in diesel engines that are not reformulated diesel fuels as defined in section 2281 and 2282 of Title 13, of the California Code of Regulations and do not require engine or fuel system modifications to operate on such fuels. Alternative diesel fuels include water-diesel-emulsified fuel, biodiesel fuel, ethanol-diesel-emulsified fuel and Fischer Tropsch fuel. The interim procedure may be used to comply with the requirements under Assembly Bill 2061 (Lowenthal) and Assembly Bill 2511 (Costa, Johnston, and Ortiz) pertaining to the determination of the emission characteristics of alternative diesel fuels or the eligibility of NO_x retrofit technologies, respectively.

The interim procedure allows the determination of the incremental emissions benefit of alternative diesel fuels by comparing the NO_x and PM emissions from a 10 percent aromatic California diesel reference fuel to the emissions from the alternative diesel fuel. The interim procedure specifies the required emissions tests and analytical methods to conduct the assessment.

In addition to NO_x and PM emissions, the interim procedure requires an assessment of toxics and hydrocarbon emissions. In order to qualify for verification, no increase in toxicity shall result from an alternative diesel fuel. Also, hydrocarbon emissions shall be at least 25 percent lower than any applicable diesel vehicle emission standard. **Please note that the interim procedure does not verify the appropriate use of alternative diesel fuels or possible impacts on engine durability and performance.**

The interim procedure is effective immediately to allow manufacturers of alternative diesel fuels to begin the verification process. Revisions to the interim procedure may occur in the future to consider new information and new alternative diesel fuels.

California Environmental Protection Agency

ALL INTERESTED PARTIES

November 3, 2000

Page 2

Application for verification should be sent to the attention of:

Mr. Gary M. Yee, Manager
Industrial Section
California Air Resources Board
P.O. Box 2815
Sacramento, California 95812

Should you have any questions regarding the interim procedure or the verification process, please contact Mr. Gary M. Yee, Manager, Industrial Section at (916) 327-5986 or Mr. Bob Okamoto, Air Pollution Specialist at (916) 327-2953.

Sincerely,

Dean C. Simeroth, Chief
Criteria Pollutants Branch

Enclosure

cc: Gary Yee, Manager
Industrial Section

Bob Okamoto, APS
Industrial Section